**ASSESSMENT CRITERIA**

**Investigating**

I1      Identification of a need, problem, or challenge.

I2      Creation and validation of an initial design brief based on needs analysis and task identification.

I3      Investigation and critical analysis of the characteristics of existing products, processes, systems, and/or production techniques.

I4      Investigation of product material options and analysis for product use.

I5      Investigation into the impact of products or systems on individuals, society, and/or the environment.

**Planning**

Pl1   Analysis of information to develop solutions to an identified design brief.

Pl2   Communication of product design ideas using relevant technical language.

Pl3   Testing, modification, and validation of ideas or procedures.

**Producing**

Pr1   Application of skills, processes, procedures, and techniques to create a product or system to a chosen standard and specification.

Pr2   Use of resources, equipment, and materials to create a product or system safely and accurately.

Pr3   Development of solutions to technical problems that may arise during product or system realisation.

**Evaluating**

E1    Evaluation of product success against design brief requirements.

E2    Evaluation of the effectiveness of the product or system realisation process.

E3    Reflection on materials, ideas, or procedures, with recommendations.

E4    Analysis of the impact of the product or system on individuals, society, and/or the environment.